

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents  
United States Patent and Trademark  
Office  
Box PCT  
Washington, D.C.20231  
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing (day/month/year)

25 January 2000 (25.01.00)

International application No.

PCT/US99/08975

Applicant's or agent's file reference

WSUR-113787

International filing date (day/month/year)

23 April 1999 (23.04.99)

Priority date (day/month/year)

24 April 1998 (24.04.98)

Applicant

XIA, Zhi-Qiang et al

1. The designated Office is hereby notified of its election made:



in the demand filed with the International Preliminary Examining Authority on:

19 November 1999 (19.11.99)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under  
Rule 32.2(b).

The International Bureau of WIPO  
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Authorized officer

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/08975

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : Please See Extra Sheet.

US CL : 435/190, 69.1; 536/23.2; 530/350

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/190, 69.1; 536/23.2; 530/350

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

STIC SEARCHED SEQ ID NO: 1, 3, 5, 7, 9

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS; STN, MEDLINE, CAPLUS, BIOSIS, SCISEARCH, EMBASE, JAPIO, PATOSWO, PATOSEP

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | DAVIN, L.B. et al. Lignin and Lignan Biochemical Pathways in Plants: Unprecedented Discovery in Phenolic Coupling. Anais da Academia Brasileira de Ciencias. April 1995, Vol. 67, Supl. 3, pages 363-378.              | 1-23                  |
| Y         | UMEZAWA et al. Formation of Lignans (-)-Secoisolariciresinol and (-)-Matairesinol with Forsythia intermedia Cell-free Extracts. J. Biol. Chem. 05 June 1991, Vol. 266, No. 16, pages 10210-10217, see entire document. | 1-7, 11-16, 19        |



Further documents are listed in the continuation of Box C.



See patent family annex.

|   |  |
|---|--|
| * Special categories of cited documents:  | *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| *A* document defining the general state of the art which is not considered to be of particular relevance  | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| *E* earlier document published on or after the international filing date  | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *g* document member of the same patent family  |
| *O* document referring to an oral disclosure, use, exhibition or other means  |  |
| *P* document published prior to the international filing date but later than the priority date claimed  |  |

Date of the actual completion of the international search

13 JULY 1999

Date of mailing of the international search report

23 AUG 1999

Name and mailing address of the ISA/US  
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INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/08975

A. CLASSIFICATION OF SUBJECT MATTER:  
IPC (6):

C12N 9/00, 9/04, 1/00, 1/20, 5/00, 5/10, 15/09, 15/10, 15/29, 15/52, 15/53, 15/63